

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 2

influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor.

23. (Amended) A regime/regimen according to Claim 22 for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition consisting essentially of an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor.

24. (Amended) A regime/regimen according to Claim 22 for influencing calcium channels in contractile fibers to relax and/or slacken skin tissue and thus treat wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken skin tissue and thus treat wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 3

25. (Amended) A regime/regimen according to Claim 24 for influencing calcium channels in contractile fibers to relax and/or slacken skin tissue and thus reduce wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken skin tissue and thus reduce wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

26. (Amended) A regime/regimen according to Claim 22 for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and thus smooth the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and thus smooth the skin, said manganese and/or at least one salt thereof being the only active ingredient for smoothing the skin in said composition; and a topically applicable, physiologically acceptable vehicle diluent or carrier therefor.

27. (Amended) A regime/regimen according to Claim 22 for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 4

tissue and thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and thus attenuate and/or eliminate microrelief in the skin, said manganese and/or salt thereof being the only active ingredient for attenuating and/or eliminating microrelief in the skin in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

28. (Amended) A regime/regimen for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, said manganese and/or salt thereof being the only active ingredient for reducing wrinkles or fine lines, or for smoothing the skin or for attenuating or eliminating microrelief in the skin in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 5

29. (Amended) A regime/regimen for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition consisting essentially of: (i) an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin, and/or to thus attenuate and/or eliminate microrelief in the skin; and (ii) a bioaffecting amount of alverine or salt thereof, a keratolytic agent, a chlorine-channel opener, a hydroxy acid and/or a retinoid; formulated into a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

30. (Amended) A regime/regimen according to Claim 29 for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin and/or to thus smooth the skin and/or to thus attenuate and/or eliminate microrelief in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition consisting essentially of: (i) an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue and to thus reduce wrinkles and/or fine lines in the skin, and/or to thus smooth the skin, and/or to thus attenuate and/or eliminate microrelief in

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 6

the skin; and (ii) a bioaffecting amount of alverine or salt thereof and/or a chlorine-channel opener; formulated into a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.

31. (Amended) A regime/regimen for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein from 0.0001% to 10% by weight of manganese is administered.

32. (Amended) A regime/regimen for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one inorganic and/or organic manganese salt.

33. (Amended) A regime/regimen according to Claim 22 for influencing calcium channels in contractile fibers to relax and/or slacken skin tissue and thus treat

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 7

wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken skin tissue and thus treat wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor; wherein from 0.0001% to 10% by weight of manganese is administered.

34. (New) A regime/regimen according to Claim 22 for influencing calcium channels in contractile fibers to relax and/or slacken skin tissue and thus treat wrinkles and fine lines in the skin, comprising topically administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising: an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken skin tissue and thus treat wrinkles and fine lines, said manganese and/or at least one salt thereof being the only active ingredient for treating wrinkles and fine lines in said composition; and a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one inorganic and/or organic manganese salt.

35. (Amended) A regime/regimen for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 8

administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one of manganese gluconate, manganese carbonate, manganese acetate, manganese citrate, manganese oleate and/or manganese oxalate.

37. (Amended) A regime/regimen for influencing calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, comprising administering to an individual subject in need of such treatment a cosmetic/dermatological composition comprising an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken cutaneous and/or subcutaneous tissue, and a physiologically acceptable vehicle, diluent or carrier therefor; wherein manganese is administered as at least one of manganese chloride, manganese borate, manganese nitrate, manganese phosphate and/or manganese sulfate.

85. (Amended) A topically applicable cosmetic/dermatological composition suited for influencing calcium channels in contractile fibers to relax and/or slacken skin tissue, said composition consisting essentially of: (i) an amount of manganese and/or at least one salt thereof effective to influence calcium channels in contractile fibers to relax and/or slacken skin tissue; and (ii) a bioaffecting amount of alverine or salt thereof and/or a

Application No. 09/859,384
Attorney's Docket No. 016800-444
Page 9

chlorine-channel opener; formulated into a topically applicable, physiologically acceptable vehicle, diluent or carrier therefor.